

## RAW SEQUENCE LISTING

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Application Serial Number: 10/S21,420  
Source: PCT  
Date Processed by STIC: 1-28-05

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PCT

## RAW SEQUENCE LISTING

DATE: 01/28/2005

PATENT APPLICATION: US/10/521,420

TIME: 11:43:17

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01282005\J521420.raw

3 <110> APPLICANT: Greasley, Peter  
 5 <120> TITLE OF INVENTION: Methods to Identify True Antagonists and Inverse Agonists of  
 the  
 6 Cannabinoid Receptor  
 8 <130> FILE REFERENCE: ASZD-P01-752  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/521,420  
 C--> 10 <141> CURRENT FILING DATE: 2005-01-14  
 10 <150> PRIOR APPLICATION NUMBER: SE 0202242-4  
 11 <151> PRIOR FILING DATE: 2002-07-17  
 13 <160> NUMBER OF SEQ ID NOS: 4  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 472  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
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 26 Thr Thr Asp Leu Leu Tyr Val Gly Ser Asn Asp Ile Gln Tyr Glu Asp  
 27 20 25 30  
 29 Ile Lys Gly Asp Met Ala Ser Lys Leu Gly Tyr Phe Pro Gln Lys Phe  
 30 35 40 45  
 32 Pro Leu Thr Ser Phe Arg Gly Ser Pro Phe Gln Glu Lys Met Thr Ala  
 33 50 55 60  
 35 Gly Asp Asn Pro Gln Leu Val Pro Ala Asp Gln Val Asn Ile Thr Glu  
 36 65 70 75 80  
 38 Phe Tyr Asn Lys Ser Leu Ser Ser Phe Lys Glu Asn Glu Glu Asn Ile  
 39 85 90 95  
 41 Gln Cys Gly Glu Asn Phe Met Asp Ile Glu Cys Phe Met Val Leu Asn  
 42 100 105 110  
 44 Pro Ser Gln Gln Leu Ala Ile Ala Val Leu Ser Leu Thr Leu Gly Thr  
 45 115 120 125  
 47 Phe Thr Val Leu Glu Asn Leu Leu Val Leu Cys Val Ile Leu His Ser  
 48 130 135 140  
 50 Arg Ser Leu Arg Cys Arg Pro Ser Tyr His Phe Ile Gly Ser Leu Ala  
 51 145 150 155 160  
 53 Val Ala Asp Leu Leu Gly Ser Val Ile Phe Val Tyr Ser Phe Ile Asp  
 54 165 170 175  
 56 Phe His Val Phe His Arg Lys Asp Ser Arg Asn Val Phe Leu Phe Lys  
 57 180 185 190  
 59 Leu Gly Gly Val Thr Ala Ser Phe Thr Ala Ser Val Gly Ser Leu Phe  
 60 195 200 205  
 62 Leu Thr Ala Ile Ala Arg Tyr Ile Ser Ile His Arg Pro Leu Ala Tyr  
 63 210 215 220

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66 225                230                235                240
68 Trp Thr Ile Ala Ile Val Ile Ala Val Leu Pro Leu Leu Gly Trp Asn
69                245                250                255
71 Cys Glu Lys Leu Gln Ser Val Cys Ser Asp Ile Phe Pro His Ile Asp
72                260                265                270
74 Glu Thr Tyr Leu Met Phe Trp Ile Gly Val Thr Ser Val Leu Leu Leu
75                275                280                285
77 Phe Ile Val Tyr Ala Tyr Met Tyr Ile Leu Trp Lys Ala His Ser His
78                290                295                300
80 Ala Val Arg Met Ile Gln Arg Gly Thr Gln Lys Ser Ile Ile Ile His
81 305                310                315                320
83 Thr Ser Glu Asp Gly Lys Val Gln Val Thr Arg Pro Asp Gln Ala Arg
84                325                330                335
86 Met Ala Ile Arg Leu Ala Lys Thr Leu Val Leu Ile Leu Val Val Leu
87                340                345                350
89 Ile Ile Cys Trp Gly Pro Leu Leu Ala Ile Met Val Tyr Asp Val Phe
90                355                360                365
92 Gly Lys Met Asn Lys Leu Ile Lys Thr Val Phe Ala Phe Cys Ser Met
93                370                375                380
95 Leu Cys Leu Leu Asn Ser Thr Val Asn Pro Ile Ile Tyr Ala Leu Arg
96 385                390                395                400
98 Ser Lys Asp Leu Arg His Ala Phe Arg Ser Met Phe Pro Ser Cys Glu
99                405                410                415
101 Gly Thr Ala Gln Pro Leu Asp Asn Ser Met Gly Asp Ser Asp Cys Leu
102                420                425                430
104 His Lys His Ala Asn Asn Ala Ala Ser Val His Arg Ala Ala Glu Ser
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117 <213> ORGANISM: Homo sapiens
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130 actgcctccg tgggcagcct gttcctcaca gccatcgcca ggtacatata cattcacagg 660
131 cccctggcct ataagaggat tgtcaccagg cccaaggccg tgggtggcgt ttgcctgatg 720

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134 ggggtcacca gcgtactgct tctgttcacg gtgtatgcgt acatgtatat tctctggaag 900
135 gctcacagcc acgccgtccg catgattcag cgtggcacc agaagagcat catcatccac 960
136 acgtctgagg atgggaaggt acaggtgacc cggccagacc aagcccgcag ggacattagg 1020
137 ttagccaaga ccctggtcct gatcctggtg gtgttgatca tctgctgggg ccctctgctt 1080
138 gcaatcatgg tgtatgatgt ctttggggaag atgaacaagc tcattaagac ggtgtttgca 1140
139 ttctgcagta tgctctgcct gctgaactcc accgtgaacc ccatcatcta tgctctgagg 1200
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142 agtggttcaca gggccgcaga aagctgcac aagagcacgg tcaagattgc caaggtaacc 1380
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146 &lt;210&gt; SEQ ID NO: 3

147 &lt;211&gt; LENGTH: 1419

148 &lt;212&gt; TYPE: DNA

149 &lt;213&gt; ORGANISM: Homo sapiens

151 &lt;400&gt; SEQUENCE: 3

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154 ttaggggtact tcccacagaa attcccttta acttccttta ggggaagtcc cttccaagag 180
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178 &lt;210&gt; SEQ ID NO: 4

179 &lt;211&gt; LENGTH: 1419

180 &lt;212&gt; TYPE: DNA

181 &lt;213&gt; ORGANISM: Homo sapiens

183 &lt;400&gt; SEQUENCE: 4

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186 ttaggggtact tcccacagaa attcccttta acttccttta ggggaagtcc cttccaagag 180

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207 atgtctgtgt ccacagacac gtctgccgag gctctgtga 1419

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/521,420

DATE: 01/28/2005

TIME: 11:43:18

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01282005\J521420.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date